



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES
BOARD AND CODE ADMINISTRATION DIVISION

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION
11805 SW 26 Street, Room 208
Miami, Florida 33175-2474
T (786) 315-2590 F (786) 315-2599

www.miamidade.gov/building

NOTICE OF ACCEPTANCE (NOA)

Dixie Metal Products, Inc.
1471 Neptune Drive
Boynton Beach, Florida 33426

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER-Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the High Velocity Hurricane Zone of the Florida Building Code.

DESCRIPTION: Aluminum Picket Railing for Balcony and Stairs

APPROVAL DOCUMENT: Drawing No. DSR2, titled "Standard #2 Railing", sheet 1 of 1, dated 04/15/1997, revision #3 dated 06/20/2012, and Drawing No. DSR11, titled "Standard #11 Railing", sheets 1 and 2 of 2, dated 04/15/1997, revision #2 dated 06/20/2012, prepared by Bromley-Cook Engineering, signed and sealed by William D. Cook, P.E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: None

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and the following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official. The structural adequacy of the supporting structures is not part of this approval & shall be reviewed by the corresponding Building Dept. This NOA revises & renews NOA # 06-0420.01 and consists of this page 1, evidence submitted pages E-1 & E-2 as well as approval document mentioned above.

The submitted documentation was reviewed by Helmy A. Makar, P.E., M.S.



Helmy A. Makar
07/05/2012

NOA No. 11-0120.02
Expiration Date: 03/26/2016
Approval Date: 07/05/2012

Dixie Metal Products, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL NO. 97-0529.07

A. DRAWINGS

1. *"Standard #2 Railing Calculations", Drawing No. DSR2, sheet 1 of 1, dated April 15, 1997, revision #1 dated 03/06/98, prepared by Arthur L. Bromley, P.E., Inc. for Dixie Metal Products, Inc., signed and sealed by William D. Cook, P.E.*
2. *"Standard #11 Railing Calculations", Drawing No. DSR11, sheets 1 through 2 of 2, dated April 15, 1997, prepared by Arthur L. Bromley, P.E., Inc. for Dixie Metal Products, Inc., signed and sealed by William D. Cook, P.E.*

B. CALCULATIONS

1. *"Standard #2 Railings" calculations prepared by Arthur L. Bromley, P.E., Inc. for Dixie Metal Products, Inc., signed and sealed by William D. Cook, P.E. on April 14, 1997.*
2. *"Standard #11 Railings" calculations prepared by Arthur L. Bromley, P.E., Inc. for Dixie Metal Products, Inc., signed and sealed by William D. Cook, P.E. on April 15, 1997.*
3. *"Standard #2 Railings" calculations prepared by Arthur L. Bromley, P.E., Inc. for Dixie Metal Products, Inc., signed and sealed by William D. Cook, P.E. on December 12, 1997.*
4. *"Standard #11 Railings" calculations prepared by Arthur L. Bromley, P.E., Inc. for Dixie Metal Products, Inc., signed and sealed by William D. Cook, P.E. on December 12, 1997.*

2. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL # 01-0206.14

A. DRAWINGS

1. *None.*

B. TESTS

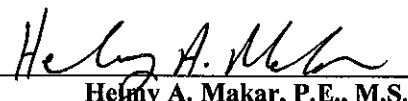
1. *None.*

C. CALCULATIONS

1. *None.*

D. MATERIAL CERTIFICATIONS

1. *None.*



Helmy A. Makar, P.E., M.S.
Product Control Unit Supervisor
NOA No. 11-0120.02
Expiration Date: 03/26/2016
Approval Date: 07/05/2012

Dixie Metal Products, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

3. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL # 06-0420.01

A. DRAWINGS

1. *Drawing No. DSR2, titled "Standard #2 Railing ", sheet 1 of 1, dated 04/15/1997, revision #2 dated 03/20/2006, and Drawing No. DSR11, titled "Standard #11 Railing", sheets 1 and 2 of 2, dated 04/15/1997, revision #1 dated 03/20/2006, prepared by Bromley-Cook Engineering, signed and sealed by William D. Cook, P.E.*

B. TESTS

1. *None.*

C. CALCULATIONS

1. *"Standard #2 Railings" calculations prepared by Arthur L. Bromley, P.E., Inc. for Dixie Metal Products, Inc., signed and sealed by William D. Cook, P.E. on 03/20/ 2006.*
2. *"Standard #11 Railings" calculations prepared by Arthur L. Bromley, P.E., Inc. for Dixie Metal Products, Inc., signed and sealed by William D. Cook, P.E. on 03/20/2006.*

D. QUALITY ASSURANCE

1. *By Miami-Dade County Building Code Compliance Office.*

E. MATERIAL CERTIFICATIONS

1. *None.*

4. NEW EVIDENCE SUBMITTED

A. DRAWINGS

1. *Drawing No. DSR2, titled "Standard #2 Railing ", sheet 1 of 1, dated 04/15/1997, revision #3 dated 06/20/2012, and Drawing No. DSR11, titled "Standard #11 Railing", sheets 1 and 2 of 2, dated 04/15/1997, revision #2 dated 06/20/2012, prepared by Bromley-Cook Engineering, signed and sealed by William D. Cook, P.E.,*

B. TESTS

1. *None.*

C. CALCULATIONS

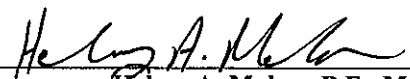
1. *None.*

D. QUALITY ASSURANCE

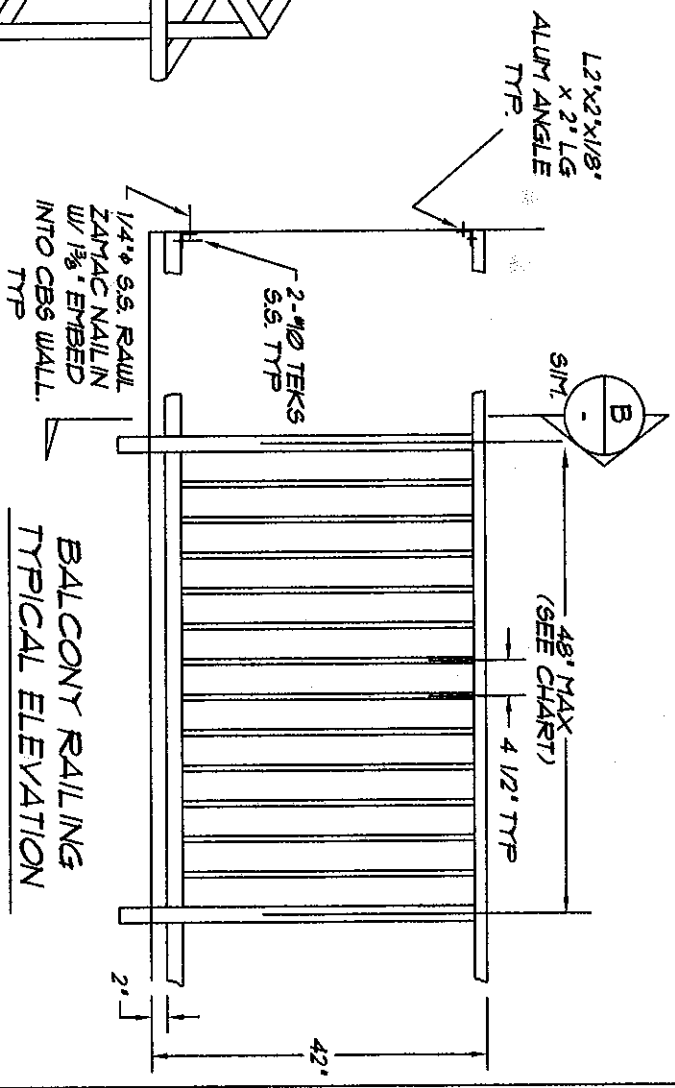
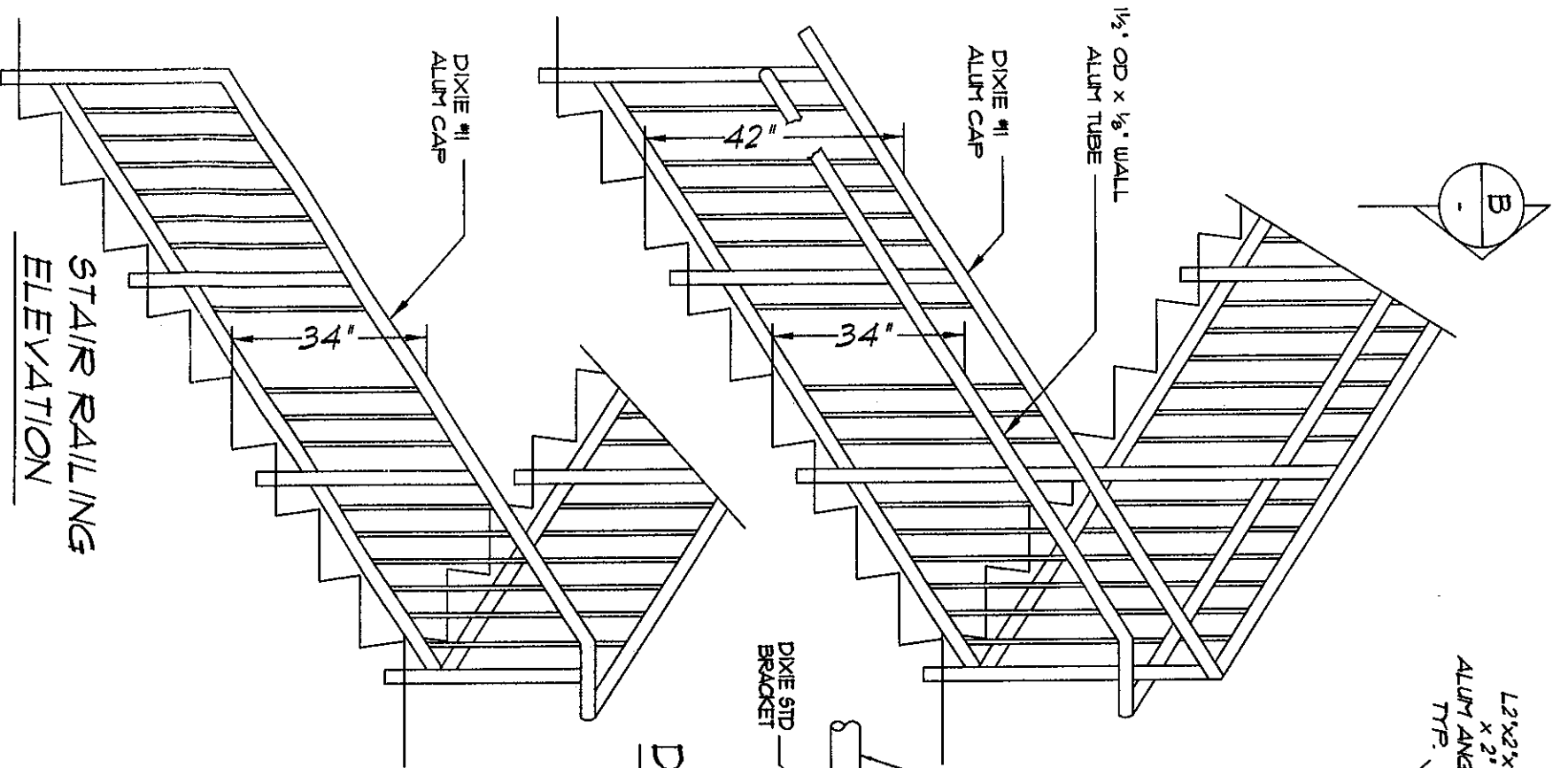
1. *By Miami-Dade County Department of Regulatory and Economic Resources.*

E. MATERIAL CERTIFICATIONS

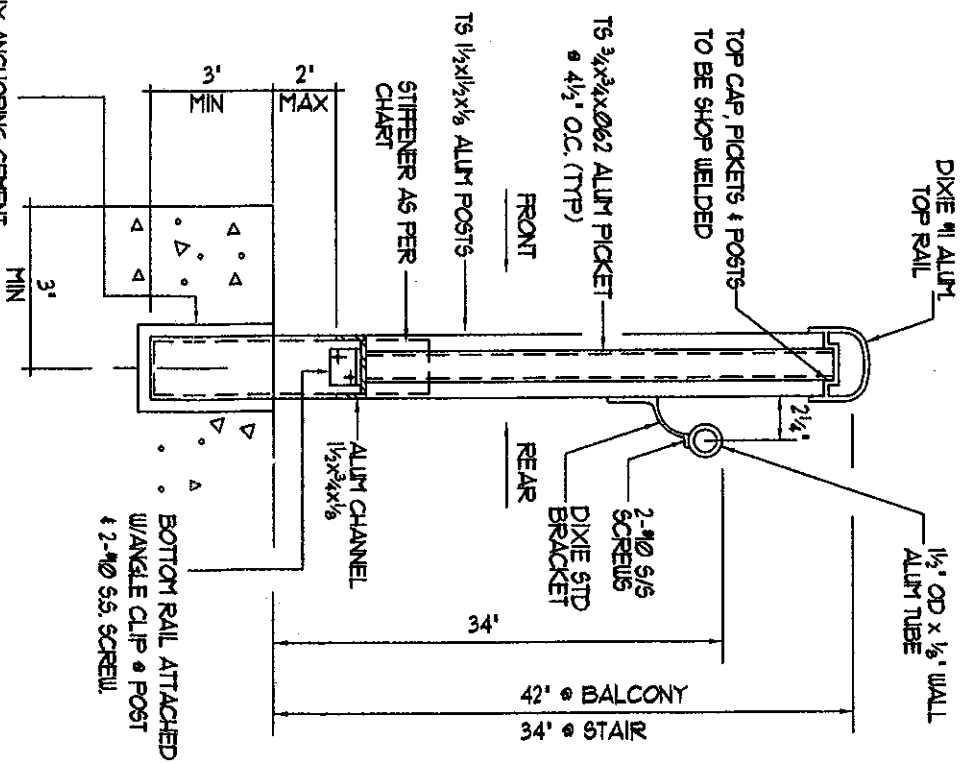
1. *None.*



Helmy A. Makar, P.E., M.S.
Product Control Unit Supervisor
NOA No. 11-0120.02
Expiration Date: 03/26/2016
Approval Date: 07/05/2012



DETAIL



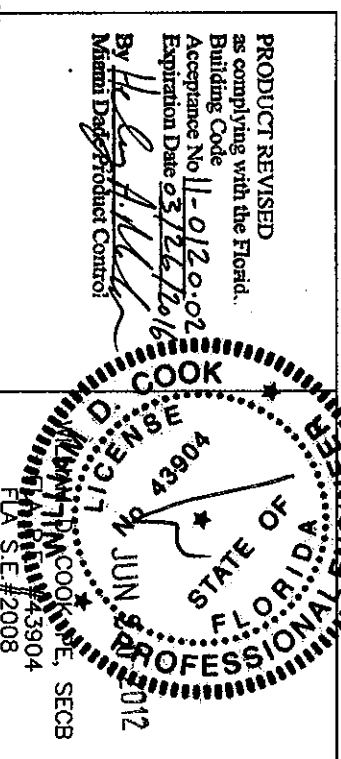
PREMIX ANCHORING CEMENT
OR EQUAL TO DEVELOP
A COMPRESSIVE STRENGTH
OF 9750 PSI IN A 24 HR
PERIOD.

SECTION 'B'

MAXIMUM POST SPACING BASED ON WIND PRESSURE				
MAX WIND PRESSURE	BALCONY RAILING	BALCONY RAILING	STAIR RAILING	STAIR RAILING
	NO STIFFENER	STIFFENER 17 3/8' LONG	NO STIFFENER	STIFFENER 6' LONG
$P_{red} = 122 \text{ PSF}$	31' O/C	48' O/C	35' O/C	48' O/C

NOTES:

1. THIS GUARD RAIL HAS BEEN DESIGNED TO COMPLY WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE 2010, HV412.
2. ALL ALUMINUM TO BE OF ALLOY AS SHOWN.
3. CONCRETE SHALL DEVELOP A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI IN 28 DAYS.
4. IT SHALL BE DETERMINED BY DESIGN PROFESSIONAL THAT EXISTING STRUCTURE CAN SAFELY SUPPORT THE IMPOSED LOADS.
5. ALL FASTENERS SHALL BE STAINLESS STEEL.
6. ALL WELDING SHALL BE DONE IN ACCORDANCE WITH THE REQUIREMENTS OF THE AWS.
7. WIND LOADS BASED ON 2010 FLORIDA BUILDING CODE. DESIGN PRESSURES FROM CHAPTER 1620 AND ASCE 7-10. PRESSURES TO BE MULTIPLIED BY 0.6 FOR ASD LOADS.
8. WIND LOAD INCREASE NOT USED IN RAILING ANALYSIS.
9. SEPARATE ALUMINUM FROM CONCRETE PER FBC 2003.8.4



REVISIONS

NO	DATE	REVISIONS
1	6/20/2012	REVISED PER NEW CODE

BROMLEY-COOK ENGINEERING

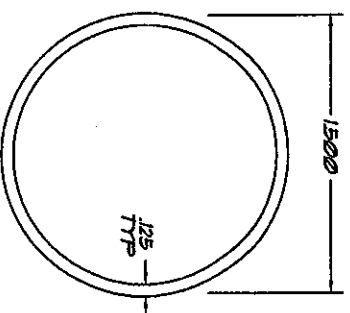
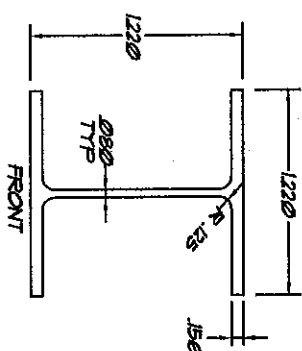
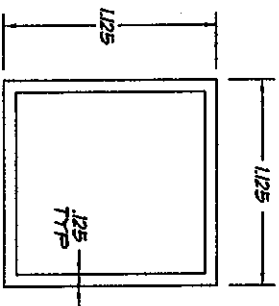
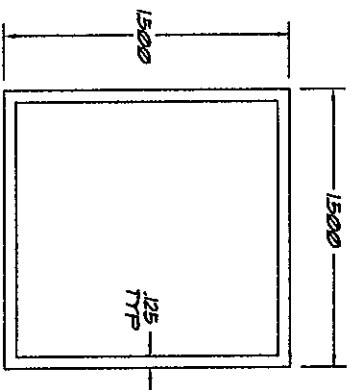
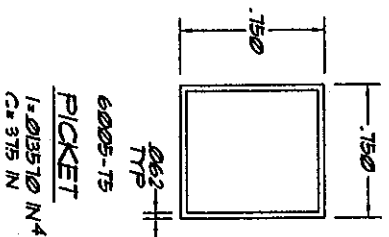
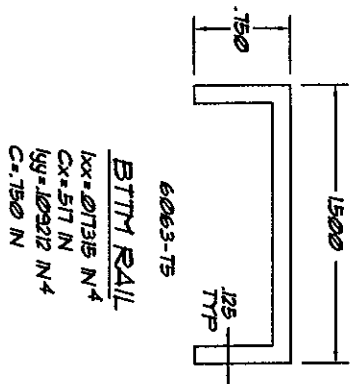
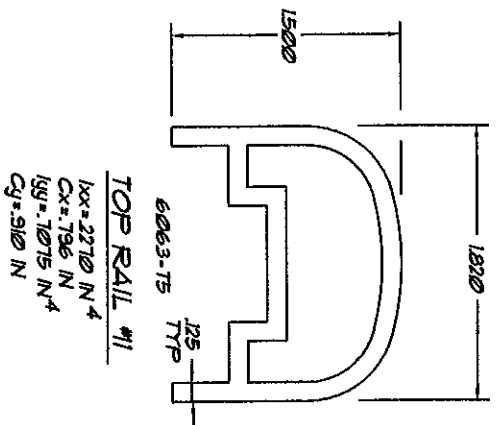
5440 N.W. 33rd AVE, SUITE 100
FORT LAUDERDALE, FL. 33309
(954) 772-4624
Cert. of Auth. #00009124

STANDARD #11 RAILING

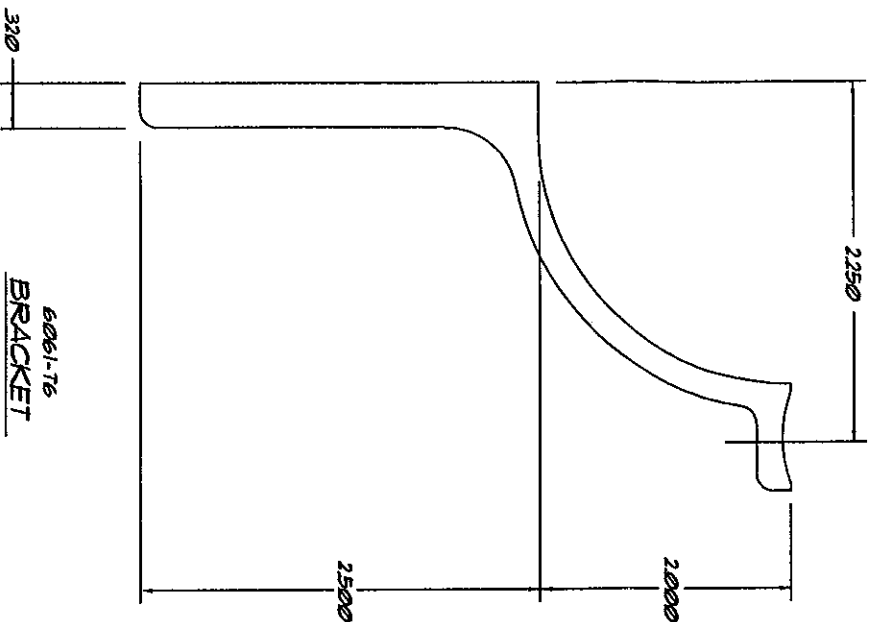
DIXIE METAL PRODUCTS INC.
1471 NEPTUNE DRIVE.
BOYNTON BEACH, FL. 33426
(561) 731-4555

DET. W/C	DATE	SCALE:	SHEET NO.
CHK. W/C	4/15/97	NTS	1 OF 2
	4/15/97		DSR11

FILE NAME: DIXE1D-C



6061-T6
WALL RAIL
I=3683 IN⁴



PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 11-0120-02
Expiration Date 03/26/2016
By William D. Cook
Miami Dade Product Control

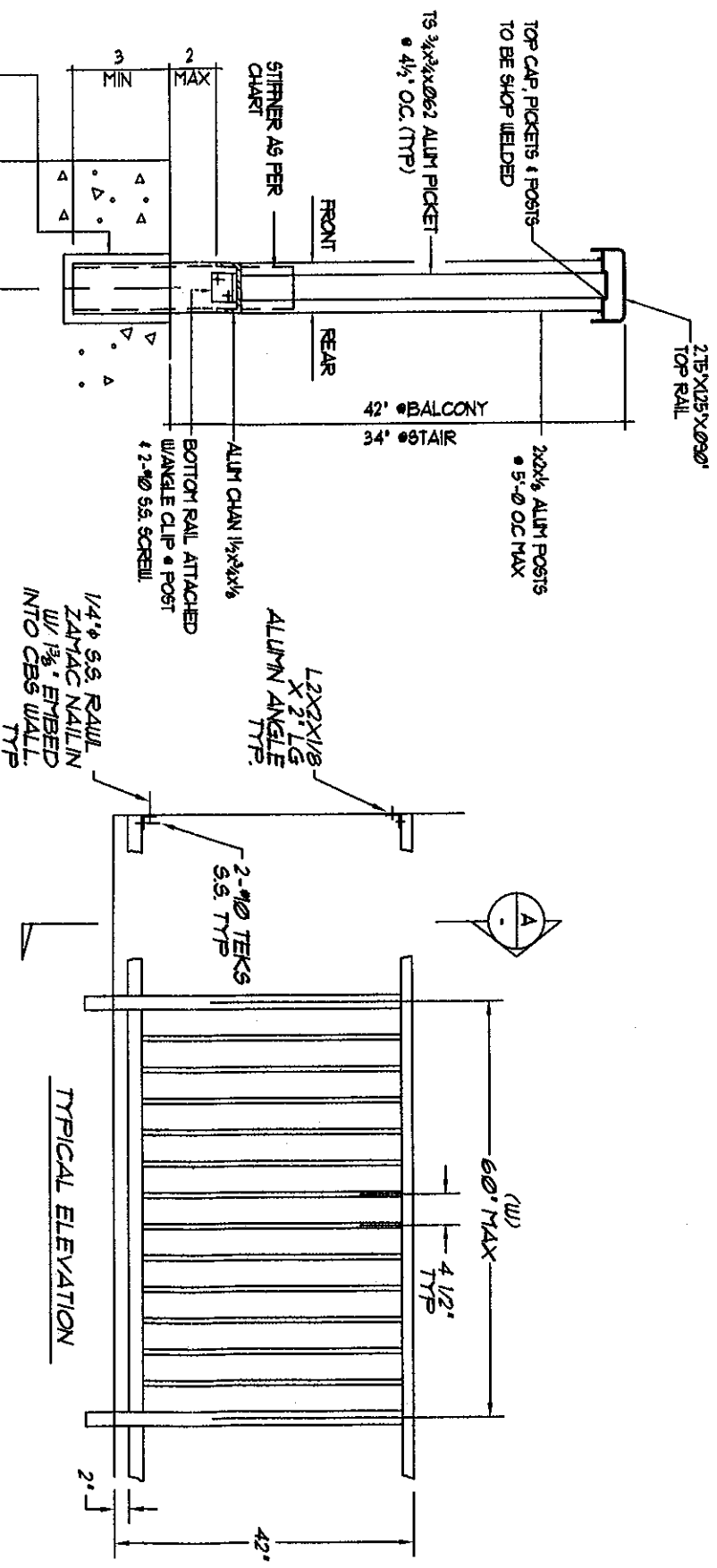
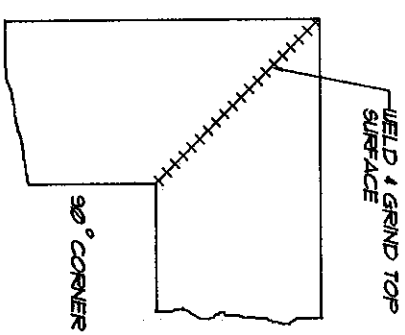
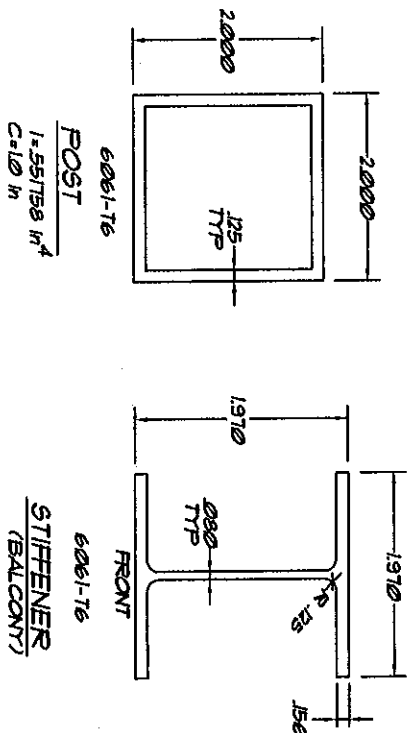
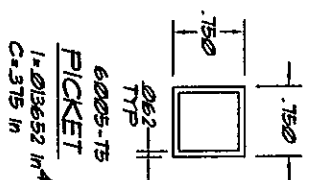
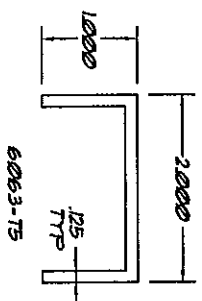
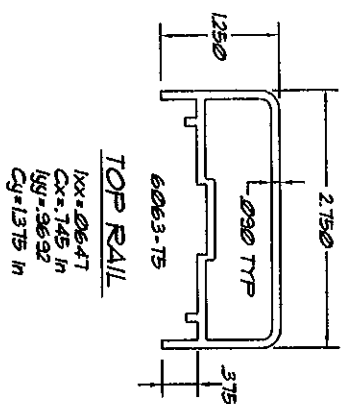
WILLIAM D. COOK
Professional Engineer
FLA. S.E. #2008

NO	DATE	REVISIONS
2	6-20-2012	REVISED PER NEW CODE

BROMLEY-COOK ENGINEERING
5440 N.W. 33rd AVE, SUITE 100
FORT LAUDERDALE, FL. 33309
(954)772-4624
Cert. of Auth. #00009124

STANDARD #11 RAILING
DIXIE METAL PRODUCTS INC.
1471 NEPTUNE DRIVE.
BOYNTON BEACH, FL. 33426
(561)731-4555

DET. WK	DATE 4/5/97	SCALE: NTS	SHEET NO. 2 OF 2
CHK. WC	DATE 4/5/97		DGR/1



PREMIX ANCHORING CERTEN
OR EQUAL TO DEVELOP
A COMPRESSIVE STRENGTH
OF 3150 psi IN A 48 HR.
PERIOD.

SECTION 'A'

MAXIMUM POST SPACING BASED ON MAX WIND PRESSURE		
MAX PRESSURE	NO STIFFENER	14" LONG STIFFENER
$P_{wd} = 123 \text{ PSF}$	60'	
$P_{wd} = 137 \text{ PSF}$		60'

- NOTES:

1. THIS GUARD RAIL HAS BEEN DESIGNED TO COMPLY WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE 2010, HY4.2.
2. ALL ALUMINUM TO BE OF ALLOTS AS SHOWN.
3. CONCRETE SHALL DEVELOP A MINIMUM COMPRESSIVE STRENGTH OF 3000 psi IN 28 DAYS.
4. IT SHALL BE DETERMINED BY DESIGN PROFESSIONAL THAT EXISTING STRUCTURE CAN SAFELY SUPPORT THE IMPOSED LOADS.
5. ALL FASTENERS SHALL BE STAINLESS STEEL.
6. ALL WELDING SHALL BE DONE IN ACCORDANCE WITH THE REQUIREMENTS OF THE AWS.
7. WIND LOADS BASED ON 2010 FLORIDA BUILDING CODE. DESIGN PRESSURES FROM CHAPTER 16.20 AND ASCE 7-10. PRESSURES TO BE MULTIPLIED BY 0.6 FOR ASD LOADS.
8. WIND LOAD INCREASE NOT USED IN RAILING ANALYSIS.
9. SEPARATE ALUMINUM FROM CONCRETE PER FBC 2003.8.4

6-20-2012 REVISED PER NEW CODE

BROMLEY--COOK ENGINEERING

5440 N.W. 33rd AVE, SUITE 100
FORT LAUDERDALE, FL. 33309
(954)772-4624
Cert. of Auth. #000009124

STANDARD #2 RAILING

DIXIE METAL PRODUCTS INC.
1471 NEPTUNE DRIVE.
BOYNTON BEACH, FL. 33426
(561) 731-4555

SHEET No. 1 of 1

DET. WK	DATE	4/5/97	SCALE:	
CHK. WC	DATE	4/5/97	NTS	DSR2

FILE NAME: DIXSTD-A